

SEQUENCE LISTING

<110> Lombardo, Dominique
Mas, Eric
Sadoulet, Marie-Odile
Panicot-Dubois, Laurence
Bernard, Jean-Paul

<120> Glycopeptides derived from pancreatic structures, antibodies and applications thereof in diagnostics and therapeutics

<130> BKR-107

<150> FR 04 03378

<151> 2004-03-31

<150> FR 04 13428

<151> 2004-12-16

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<170> PatentIn version 3.1

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Lys Lys Val Thr Glu Glu Asp Phe Tyr Lys Leu Val Ser Glu Phe Thr	
340 345 350	
atc acc aag ggg ctc aga ggc gcc aag acg acc ttt gat gtc tac acc	1104
Ile Thr Lys Gly Leu Arg Gly Ala Lys Thr Thr Phe Asp Val Tyr Thr	
355 360 365	
gag tcc tgg gcc cag gac cca tcc cag gag aat aag aag aag act gtg	1152
Glu Ser Trp Ala Gln Asp Pro Ser Gln Glu Asn Lys Lys Lys Thr Val	
370 375 380	
gtg gac ttt gag acc gat gtc ctc ttc ctg gtg ccc acc gag att gcc	1200
Val Asp Phe Glu Thr Asp Val Leu Phe Leu Val Pro Thr Glu Ile Ala	
385 390 395 400	
cta gcc cag cac aga gcc aat gcc aag agt gcc aag acc tac gcc tac	1248
Leu Ala Gln His Arg Ala Asn Ala Lys Ser Ala Lys Thr Tyr Ala Tyr	
405 410 415	

ctg ttt tcc cat ccc tct cgg atg ccc gtc tac ccc aaa tgg gtg ggg Leu Phe Ser His Pro Ser Arg Met Pro Val Tyr Pro Lys Trp Val Gly 420 425 430	1296
gcc gac cat gca gat gac att cag tac gtt ttc ggg aag ccc ttc gcc Ala Asp His Ala Asp Asp Ile Gln Tyr Val Phe Gly Lys Pro Phe Ala 435 440 445	1344
acc ccc acg ggc tac cgg ccc caa gac agg aca gtc tct aag gcc atg Thr Pro Thr Gly Tyr Arg Pro Gln Asp Arg Thr Val Ser Lys Ala Met 450 455 460	1392
atc gcc tac tgg acc aac ttt gcc aaa aca ggg gac ccc aac atg ggc Ile Ala Tyr Trp Thr Asn Phe Ala Lys Thr Gly Asp Pro Asn Met Gly 465 470 475 480	1440
gac tcg gct gtg ccc aca cac tgg gaa ccc tac act acg gaa aac agc Asp Ser Ala Val Thr His Trp Glu Pro Tyr Thr Thr Glu Asn Ser 485 490 495	1488
ggc tac ctg gag atc acc aag aag atg ggc agc agc tcc atg aag cgg Gly Tyr Leu Glu Ile Thr Lys Lys Met Gly Ser Ser Ser Met Lys Arg 500 505 510	1536
agc ctg aga acc aac ttc ctg cgc tac tgg acc ctc acc tat ctg gcg Ser Leu Arg Thr Asn Phe Leu Arg Tyr Trp Thr Leu Thr Tyr Leu Ala 515 520 525	1584
ctg ccc aca gtg acc gac cag gag gcc acc cct gtg ccc ccc aca ggg Leu Pro Thr Val Thr Asp Gln Glu Ala Thr Pro Val Pro Pro Thr Gly 530 535 540	1632
gac tcc gag gcc act ccc gtg ccc ccc acg ggt gac tcc gag acc gcc Asp Ser Glu Ala Thr Pro Val Pro Pro Thr Gly Asp Ser Glu Thr Ala 545 550 555 560	1680
ccc gtg ccg ccc acg ggc gac tcc ggg gcc ccc ccc gtg ccg ccc acg Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr 565 570 575	1728
ggt gac tcc ggg gcc ccc cct gtg ccc ccc acg ggt gac tct gag gct Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr Gly Asp Ser Glu Ala 580 585 590	1776
gcc cct gtg ccc ccc aca ggt gac tcc aag gaa gct cag atg cct gca Ala Pro Val Pro Pro Thr Gly Asp Ser Lys Glu Ala Gln Met Pro Ala 595 600 605	1824
gtc att agg ttt tag Val Ile Arg Phe 610	1839

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<211> 612
 <212> PRT
 <213> Homo sapiens

<400> 11

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Asn	Lys	Lys	Leu	Gly	Leu	Leu	Gly	Asp	Ser	Val	Asp	Ile	Phe	Lys	Gly
			20					25					30		
Ile	Pro	Phe	Ala	Ala	Pro	Thr	Lys	Ala	Leu	Glu	Asn	Pro	Gln	Pro	His
		35					40					45			
Pro	Gly	Trp	Gln	Gly	Thr	Leu	Lys	Ala	Lys	Asn	Phe	Lys	Lys	Arg	Cys
	50					55					60				
Leu	Gln	Ala	Thr	Ile	Thr	Gln	Asp	Ser	Thr	Tyr	Gly	Asp	Glu	Asp	Cys
65					70					75				80	
Leu	Tyr	Leu	Asn	Ile	Trp	Val	Pro	Gln	Gly	Arg	Lys	Gln	Val	Ser	Arg
			85						90					95	
Asp	Leu	Pro	Val	Met	Ile	Trp	Ile	Tyr	Gly	Gly	Ala	Phe	Leu	Met	Gly
			100					105					110		
Ser	Gly	His	Gly	Ala	Asn	Phe	Leu	Asn	Asn	Tyr	Leu	Tyr	Asp	Gly	Glu
		115					120					125			
Glu	Ile	Ala	Thr	Arg	Gly	Asn	Val	Ile	Val	Val	Thr	Phe	Asn	Tyr	Arg
	130					135						140			
Val	Gly	Pro	Leu	Gly	Phe	Leu	Ser	Thr	Gly	Asp	Ala	Asn	Leu	Pro	Gly
145					150					155				160	
Asn	Tyr	Gly	Leu	Arg	Asp	Gln	His	Met	Ala	Ile	Ala	Trp	Val	Lys	Arg
			165						170					175	
Asn	Ile	Ala	Ala	Phe	Gly	Gly	Asp	Pro	Asn	Asn	Ile	Thr	Leu	Phe	Gly
		180						185					190		
Glu	Ser	Ala	Gly	Gly	Ala	Ser	Val	Ser	Leu	Gln	Thr	Leu	Ser	Pro	Tyr
	195						200					205			
Asn	Lys	Gly	Leu	Ile	Arg	Arg	Ala	Ile	Ser	Gln	Ser	Gly	Val	Ala	Leu
	210					215					220				
Ser	Pro	Trp	Val	Ile	Gln	Lys	Asn	Pro	Leu	Phe	Trp	Ala	Lys	Lys	Val
225					230					235				240	
Ala	Glu	Lys	Val	Gly	Cys	Pro	Val	Gly	Asp	Ala	Ala	Arg	Met	Ala	Gln
			245						250					255	
Cys	Leu	Lys	Val	Thr	Asp	Pro	Arg	Ala	Leu	Thr	Leu	Ala	Tyr	Lys	Val

260						265						270					
Pro	Leu	Ala	Gly	Leu	Glu	Tyr	Pro	Met	Leu	His	Tyr	Val	Gly	Phe	Val		
		275						280					285				
Pro	Val	Ile	Asp	Gly	Asp	Phe	Ile	Pro	Ala	Asp	Pro	Ile	Asn	Leu	Tyr		
	290					295					300						
Ala	Asn	Ala	Ala	Asp	Ile	Asp	Tyr	Ile	Ala	Gly	Thr	Asn	Asn	Met	Asp		
305					310					315					320		
Gly	His	Ile	Phe	Ala	Ser	Ile	Asp	Met	Pro	Ala	Ile	Asn	Lys	Gly	Asn		
				325					330					335			
Lys	Lys	Val	Thr	Glu	Glu	Asp	Phe	Tyr	Lys	Leu	Val	Ser	Glu	Phe	Thr		
			340					345					350				
Ile	Thr	Lys	Gly	Leu	Arg	Gly	Ala	Lys	Thr	Thr	Phe	Asp	Val	Tyr	Thr		
		355					360					365					
Glu	Ser	Trp	Ala	Gln	Asp	Pro	Ser	Gln	Glu	Asn	Lys	Lys	Lys	Thr	Val		
	370					375					380						
Val	Asp	Phe	Glu	Thr	Asp	Val	Leu	Phe	Leu	Val	Pro	Thr	Glu	Ile	Ala		
385					390					395					400		
Leu	Ala	Gln	His	Arg	Ala	Asn	Ala	Lys	Ser	Ala	Lys	Thr	Tyr	Ala	Tyr		
				405					410					415			
Leu	Phe	Ser	His	Pro	Ser	Arg	Met	Pro	Val	Tyr	Pro	Lys	Trp	Val	Gly		
			420					425					430				
Ala	Asp	His	Ala	Asp	Asp	Ile	Gln	Tyr	Val	Phe	Gly	Lys	Pro	Phe	Ala		
		435					440					445					
Thr	Pro	Thr	Gly	Tyr	Arg	Pro	Gln	Asp	Arg	Thr	Val	Ser	Lys	Ala	Met		
	450					455					460						
Ile	Ala	Tyr	Trp	Thr	Asn	Phe	Ala	Lys	Thr	Gly	Asp	Pro	Asn	Met	Gly		
465					470					475					480		
Asp	Ser	Ala	Val	Pro	Thr	His	Trp	Glu	Pro	Tyr	Thr	Thr	Glu	Asn	Ser		
				485					490					495			
Gly	Tyr	Leu	Glu	Ile	Thr	Lys	Lys	Met	Gly	Ser	Ser	Ser	Met	Lys	Arg		
			500					505					510				
Ser	Leu	Arg	Thr	Asn	Phe	Leu	Arg	Tyr	Trp	Thr	Leu	Thr	Tyr	Leu	Ala		
		515					520					525					
Leu	Pro	Thr	Val	Thr	Asp	Gln	Glu	Ala	Thr	Pro	Val	Pro	Pro	Thr	Gly		
	530					535					540						
Asp	Ser	Glu	Ala	Thr	Pro	Val	Pro	Pro	Thr	Gly	Asp	Ser	Glu	Thr	Ala		
545					550					555					560		

Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr
 565 570 575

Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr Gly Asp Ser Glu Ala
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Ala Pro Val Pro Pro Thr Gly Asp Ser Lys Glu Ala Gln Met Pro Ala
 595 600 605

Val Ile Arg Phe
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 Lys Lys Lys Thr Val Val Asp Phe Glu Thr Asp Val Leu Phe Leu Val
 20 25 30

ccc acc gag att gcc cta gcc cag cac aga gcc aat gcc aag agt gcc 144
 Pro Thr Glu Ile Ala Leu Ala Gln His Arg Ala Asn Ala Lys Ser Ala
 35 40 45

aag acc tac gcc tac ctg ttt tcc cat ccc tct cgg atg ccc gtc tac 192
 Lys Thr Tyr Ala Tyr Leu Phe Ser His Pro Ser Arg Met Pro Val Tyr
 50 55 60

ccc aaa tgg gtg ggg gcc gac cat gca gat gac att cag tac gtt ttc 240
 Pro Lys Trp Val Gly Ala Asp His Ala Asp Asp Ile Gln Tyr Val Phe
 65 70 75 80

ggg aag ccc ttc gcc acc ccc acg ggc tac cgg ccc caa gac agg aca 288
 Gly Lys Pro Phe Ala Thr Pro Thr Gly Tyr Arg Pro Gln Asp Arg Thr
 85 90 95

gtc tct aag gcc atg atc gcc tac tgg acc aac ttt gcc aaa aca ggg 336
 Val Ser Lys Ala Met Ile Ala Tyr Trp Thr Asn Phe Ala Lys Thr Gly
 100 105 110

gac ccc aac atg ggc gac tcg gct gtg ccc aca cac tgg gaa ccc tac 384
 Asp Pro Asn Met Gly Asp Ser Ala Val Pro Thr His Trp Glu Pro Tyr
 115 120 125

act acg gaa aac agc ggc tac ctg gag atc acc aag aag atg ggc agc 432
 Thr Thr Glu Asn Ser Gly Tyr Leu Glu Ile Thr Lys Lys Met Gly Ser
 130 135 140
 agc tcc atg aag cgg agc ctg aga acc aac ttc ctg cgc tac tgg acc 480
 Ser Ser Met Lys Arg Ser Leu Arg Thr Asn Phe Leu Arg Tyr Trp Thr
 145 150 155 160
 ctc acc tat ctg gcg ctg ccc aca gtg acc gac cag gag gcc acc cct 528
 Leu Thr Tyr Leu Ala Leu Pro Thr Val Thr Asp Gln Glu Ala Thr Pro
 165 170 175
 gtg ccc ccc aca ggg gac tcc gag gcc act ccc gtg ccc ccc acg ggt 576
 Val Pro Pro Thr Gly Asp Ser Glu Ala Thr Pro Val Pro Pro Thr Gly
 180 185 190
 gac tcc gag acc gcc ccc gtg ccg ccc acg ggc gac tcc ggg gcc ccc 624
 Asp Ser Glu Thr Ala Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro
 195 200 205
 ccc gtg ccg ccc acg ggt gac tcc ggg gcc ccc cct gtg ccc ccc acg 672
 Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr
 210 215 220
 ggt gac tct gag gct gcc cct gtg ccc ccc aca ggt gac tcc aag gaa 720
 Gly Asp Ser Glu Ala Ala Pro Val Pro Pro Thr Gly Asp Ser Lys Glu
 225 230 235 240
 gct cag atg cct gca gtc att agg ttt tag 750
 Ala Gln Met Pro Ala Val Ile Arg Phe
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<400> 13

Phe Asp Val Tyr Thr Glu Ser Trp Ala Gln Asp Pro Ser Gln Glu Asn
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 Lys Lys Lys Thr Val Val Asp Phe Glu Thr Asp Val Leu Phe Leu Val
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 Pro Thr Glu Ile Ala Leu Ala Gln His Arg Ala Asn Ala Lys Ser Ala
 35 40 45
 Lys Thr Tyr Ala Tyr Leu Phe Ser His Pro Ser Arg Met Pro Val Tyr
 50 55 60
 Pro Lys Trp Val Gly Ala Asp His Ala Asp Asp Ile Gln Tyr Val Phe
 65 70 75 80

Gly Lys Pro Phe Ala Thr Pro Thr Gly Tyr Arg Pro Gln Asp Arg Thr
 85 90 95
 Val Ser Lys Ala Met Ile Ala Tyr Trp Thr Asn Phe Ala Lys Thr Gly
 100 105 110
 Asp Pro Asn Met Gly Asp Ser Ala Val Pro Thr His Trp Glu Pro Tyr
 115 120 125
 Thr Thr Glu Asn Ser Gly Tyr Leu Glu Ile Thr Lys Lys Met Gly Ser
 130 135 140
 Ser Ser Met Lys Arg Ser Leu Arg Thr Asn Phe Leu Arg Tyr Trp Thr
 145 150 155 160
 Leu Thr Tyr Leu Ala Leu Pro Thr Val Thr Asp Gln Glu Ala Thr Pro
 165 170 175
 Val Pro Pro Thr Gly Asp Ser Glu Ala Thr Pro Val Pro Pro Thr Gly
 180 185 190
 Asp Ser Glu Thr Ala Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro
 195 200 205
 Pro Val Pro Pro Thr Gly Asp Ser Gly Ala Pro Pro Val Pro Pro Thr
 210 215 220
 Gly Asp Ser Glu Ala Ala Pro Val Pro Pro Thr Gly Asp Ser Lys Glu
 225 230 235 240
 Ala Gln Met Pro Ala Val Ile Arg Phe
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 <223> Xaa is Glu or Gly

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 <223> Xaa is Glu or Gly

<400> 14

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